

## REMARKS

Claims 1-20 are pending in the application.

Claims 1-20 are rejected.

Claim 20 is objected to under 37 CFR 1.75.

Claims 1-11 are rejected under 35 U.S.C. 102(e).

Claims 12-20 are rejected under 35 U.S.C. 102(e).

Claims 4 and 14 are rejected under 35 U.S.C. 103(a).

Claims 16 and 20 are rejected under 35 U.S.C. 103(a).

Claim 20 is amended to correct a typographical error and now properly depends from claim 12.

No new matter is added.

Claims 1-20 remain in the case for consideration.

Applicant requests reconsideration and allowance of the claims in light of the above amendments and following remarks.

### *Claim Objections*

Claim 20 is now amended to properly depend from claim 12. Claim 12 recites different limitations from claim 1. Thus, claim 20 is no longer a substantial duplicate of claim 7, which depend from claim 1. Accordingly, the claim objection is now overcome.

### *Claim Rejections – 35 U.S.C. 102(e)*

Claims 1-11 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Pat. Application Pub. No. 2003/0141527 to Joo (“Joo”).

Claims 12-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Joo.

Applicant respectfully traverses the rejections.

Joo is not prior art to the present application. The Joo Patent Application Publication was filed in the U.S. on December 3, 2002.

In contrast, the present application is a divisional of U.S. Patent No. 6,713,310, which in turn claims priority from Korean Patent Application No. 2002-12563, filed on March 8, 2002, and Korean Patent Application No. 2002-65610, filed on October 25, 2002 and is therefore entitled to priority dates as such. MPEP 2136.03(L). Enclosed is a translation of the priority documents, which were submitted with the parent application.

Thus, applicant respectfully requests that the rejections of claims 1-11 and 12-20 under 35 U.S.C. 102(e) as being anticipated by Joo be removed.

***Claim Rejections –35 U.S.C. 103(a)***

Claims 4 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Joo taken with Mandal (6,541,367).

Claims 16 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Joo taken with Harris (6,730,601).

Applicant respectfully traverses the rejections.

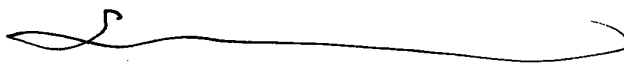
As explained above, Joo is not prior art to the present application. Accordingly, the rejections do not present a *prima facie* case of obviousness. Thus, applicant respectfully requests that the rejections of claims 4, 14, 16 and 20 under 35 U.S.C. 103(a) be removed.

**In conclusion**

For the foregoing reasons, reconsideration and allowance of claims 1-20 of the application as amended is solicited. The Examiner is encouraged to telephone the undersigned at (503) 222-3613 if it appears that an interview would be helpful in advancing the case.

Respectfully submitted,

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Limited Recognition under 37 CFR § 10.9(b)

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment; Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450  
Date: January 31, 2005



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